

Marking paint

Preco Line EP 2K NightLine



Product information

Applications

Preco Line EP 2K NightLine is a mechanically durable safety marker suitable for indoor use. It can also be used to mark out escape and rescue routes in underground car parks and tunnels.

Properties

The low-solvent, 2-component high-solid paint Preco Line EP 2K NightLine has an epoxy (EP) resin base and offers the following features:

- Visible for at least one hour in darkness
- Increased safety for building users
- Yellowish white
- Can be applied using the airless spray method
- Can be stored
- Durable
- Tested acc. to DIN 67510 Part 1

System build-up

Triflex Than Primer L 1K – for sealing the concrete substrate and ensuring substrate adhesion.

Preco Line EP 2K NightLine – continuous line marking in layer thicknesses of up to 0.6 mm.

Pack size

Drum/metal canister

5.00 kg Preco Line EP 2K NightLine Base Component

0.50 kg Preco Line EP 2K NightLine Hardener Component

5.50 kg

The luminescent pigments are contained in the base component.

Colours

Yellowish white

Storage

Can be stored unopened and unmixed for approx. 6 months in a cool, dry place above freezing. Keep the container out of direct sunlight, even on the construction site.

Mixing instructions

Mix the base component and add the hardener using a slow-running mixing machine. Stirring time at least 2 min.

Transfer to another receptacle and mix again.



Mixing ratio

The mixing ratio corresponds to the pack size.

10: 1 part by weight/base: Resin: Hardener

Methods of application

Depending on the substrate, Preco Line EP 2K NightLine can be applied in just one work step using the airless or compressed air spray method.

It can also be applied with a roller. However, particular care must be taken in this case to maintain the correct layer thickness. Where necessary, several coats of the material must be applied. The texture of the roller may cause an uneven distribution of the luminescent effect.

Material consumption

Preco Line EP 2K NightLine, density approx. 1.14 g/cm³.

Required volume approx. 0.46 kg/m² with a layer thickness of approx. 0.4 mm.

The layer thickness should be at least 0.25 mm. The amount applied has a positive effect on the light density. If necessary, a layer thickness of up to 0.6 mm can be applied in two spray coats.

Calculation formula:

Line width (m) x line length (m) x volume (kg/m²) = volume required for area (kg)

Pot life

Approx. 12 hrs. at +20 °C

Drying time

Can be recoated after:

approx. 2 hrs. at +20 °C

Resistant after:

approx. 4 hrs. at +20 °C

Can be driven over after:

approx. 24 hrs. at +20 °C

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Notes on special hazards

See Safety Data Sheet, section 2

Safety tips

See Safety Data Sheet, sections 7 and 8

Measures in case of fire or accidents

See Safety Data Sheet, sections 4, 5 and 6

General notes

We guarantee the consistently high quality of our products. Non-Triflex products must not be used with Triflex systems.

The advice we give in relation to the application of our products is based on extensive development and many years of experience, and is correct to the best of our knowledge. Given the multitude of on-site requirements, under the most varied of conditions, the user is required to test the product's suitability for its respective purpose. Technical information is subject to change without notice in the interests of technical advancement or enhancement of our products.

Product description



Preco Line EP 2K NightLine is a 2-component, thin-layer marking with luminescent properties and is used on asphalt and concrete surfaces. The marking was tested according to DIN 67510 Part 1, Class A (see BAM [German Federal Institute for Materials Research and Testing] report: 8.6E0024, sample no. 01 (b)). With a 0.6 mm coating, the following decay time was measured by BAM:

Until a light density of 0.3 mcd/m^2 was reached = 614 minutes

At this rate, the marking is visible to the human eye for at least one hour.



Preco Line EP 2K NightLine is used as an additional safety supplement to existing emergency light systems to indicate escape and rescue routes which are subject to medium mechanical loads in staircases, underground car parks, factories, shopping centres, tunnels and so on.

The superior quality pigments which are contained in Preco Line EP 2K NightLine absorb daylight or artificial light and gradually release it in darkness. Amongst other factors, the efficacy of the luminescent marking is dependent on the quantity of impinging light. As a rule, the light intensity of the general lighting is sufficient. However, care must be taken to ensure that the light sources are installed as near as possible to the safety marking.